

06-25-01

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PTO/SB/05 (11-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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jc839 U.S. PTO  
06/22/01A  
09/8872 U.S. PTO  
06/22/01

**UTILITY PATENT APPLICATION TRANSMITTAL**  
(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. 42390P1625  
(maximum 12 characters)First Named Inventor Jack HwangTitle: A METHOD OF MAKING A SEMICONDUCTOR TRANSISTOR BY IMPLANTING IONS INTO A GATE DIELECTRIC LAYER THEREOFExpress Mail Label No. EL627469947US

**ADDRESS TO:** Assistant Commissioner for Patents  
Box Patent Application  
Washington, D. C. 20231

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original, and a duplicate for fee processing)
2.  Applicant Claims Small Entity Status. (37 CFR 1.27)
3.  Specification (Total Pages 20)  
(preferred arrangement set forth below)
  - Descriptive Title of the Invention
  - Cross Reference to Related Applications
  - Statement Regarding Fed sponsored R & D
  - Reference sequence listing, a table, or a computer program listing appendix
  - Background of the Invention
  - Brief Summary of the Invention
  - Brief Description of the Drawings (if filed)
  - Detailed Description
  - Claim(s)
  - Abstract of the Disclosure
4.  Drawings(s) (35 USC 113) (Total Sheets 5)
5.  Oath or Declaration (Total Pages 5)
  - a.  Newly Executed (Original or Copy)
  - b.  Copy from a Prior Application (37 CFR 1.63(d))  
(for Continuation/Divisional with Box 17 completed)
    - i.  DELETIONS OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
    - c.  Unsigned.
6.  Application Data Sheet. (37 CFR 1.76)
7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8.  Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)
  - a.  Computer Readable Form (CRF)
  - b.  Specification Sequence Listing on:
    - i.  CD-ROM or CD-R (2 copies); or
    - ii.  paper
  - c.  Statement verifying identity of above copies

## ACCOMPANYING APPLICATION PARTS

9.  Assignment Papers (cover sheet & documents(s))  
10.  a. Separate 37 CFR 3.73(b) Statement (where there is an assignee)  
 b. Power of Attorney  
11.  English Translation Document (if applicable)  
12.  a. Information Disclosure Statement (IDS)/PTO-1449  
 b. Copies of IDS Citations  
13.  Preliminary Amendment  
14.  Return Receipt Postcard (MPEP 503) (Should be specifically itemized)  
15.  Certified Copy of Priority Document(s) (if foreign priority is claimed)  
16.  Request and Certification under 35 U.S.C. 122(b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.  
17.  Other: Copy of postcard with Certificate of Express Mailing pursuant to 37 C.F.R. § 1.10

**18A. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information:**

Continuation       Divisional       Continuation-in-part (CIP)  
Of Prior Application No.: \_\_\_\_\_ Examiner \_\_\_\_\_ Group Art Unit \_\_\_\_\_  
(which is a  continuation/  divisional/  CIP of prior application no. \_\_\_\_\_,  
which is a  continuation/  divisional/  CIP of prior application no. \_\_\_\_\_) (List entire chain of priority)

**Applicant(s): Also include a Preliminary Amendment to amend the specification to claim priority.**  
For CONTINUATION AND DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**18B. Statement under 37 CFR 3.73(b) for continuing application:**

The undersigned states that \_\_\_\_\_ (name of assignee) is the  
assignee of the entire right, title, and interest in the accompanying patent application by virtue of an assignment  
recorded in the Patent and Trademark Office at Reel. No. \_\_\_\_\_ Frame No. \_\_\_\_\_ (or a copy of  
which is attached).

**19. Correspondence Address**

Customer Number or Bar Code Label \_\_\_\_\_  
or \_\_\_\_\_ (Insert Customer No. or Attach Bar Code Label here)

Correspondence Address Below

NAME \_\_\_\_\_

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

ADDRESS 12400 Wilshire Boulevard

Seventh Floor

CITY Los Angeles STATE California ZIP CODE 90025-1026

Country U.S.A. TELEPHONE (408) 720-8300 FAX (408) 720-9397

Name (PRINT/TYPE): Stephen M. De Klerk Registration No.: 46,503

Signature: [Signature] Date: 6/22/01

CODED - DRAFTED

## EXPRESS MAIL CERTIFICATE OF MAILING

"Express Mail" mailing label number: EL627469947US

Date of Deposit: June 22, 2001

I hereby certify that I am causing this paper or fee to be deposited with the United States Postal Service "Express Mail Post Office to Addressee" service on the date indicated above and that this paper or fee has been addressed to the Assistant Commissioner for Patents, Washington, D. C. 20231

Deborah A. McGovern  
(Typed or printed name of person mailing paper or fee)

D. McGovern  
(Signature of person mailing paper or fee)

June 22, 2001  
(Date signed)

Serial/Patent No.: <u>Not Yet Assigned</u>	Filing/Issue Date: <u>Herewith</u>
Client: <u>Intel Corporation</u>	
Title: <u>A METHOD OF MAKING A SEMICONDUCTOR TRANSISTOR BY IMPLANTING IONS INTO A GATE DIELECTRIC LAYER THEREOF</u>	
BSTZ File No.: <u>42390P10625</u>	Atty/Secty Initials: <u>SMD/dam</u>
Date Mailed: <u>June 22, 2001</u>	Docket Due Date: <u>***</u>
The following has been received in the U.S. Patent & Trademark Office on the date stamped hereon:	
<input checked="" type="checkbox"/> Amendment/Response (____ pgs.)	
<input type="checkbox"/> Appeal Brief (____ pgs.) (in triplicate)	
<input checked="" type="checkbox"/> Application - Utility (20 pgs., with cover and abstract)	
<input type="checkbox"/> Application - Rule 1.53(b) Continuation (____ pgs.)	
<input type="checkbox"/> Application - Rule 1.53(b) Divisional (____ pgs.)	
<input type="checkbox"/> Application - Rule 1.53(b) CIP (____ pgs.)	
<input type="checkbox"/> Application - Rule 1.53(d) CPA Transmittal (____ pgs.)	
<input type="checkbox"/> Application - Design (____ pgs.)	
<input type="checkbox"/> Application - PCT (____ pgs.)	
<input type="checkbox"/> Application - Provisional (____ pgs.)	
<input type="checkbox"/> Assignment and Cover Sheet	
<input checked="" type="checkbox"/> Certificate of Mailing	
<input checked="" type="checkbox"/> Declaration & POA (5 pgs.) <b>unexecuted</b>	
<input type="checkbox"/> Disclosure Docs & Orig & Cpy of Inv not Signed Later (____ pg)	
<input checked="" type="checkbox"/> Drawings: 5 # of sheets includes 8 figures	
<input checked="" type="checkbox"/> Other: Application Data Sheet, Copy of postcard with Certificate of Express Mailing pursuant to C.F.R. §1.10	

**FEE TRANSMITTAL FOR FY 2001**TOTAL AMOUNT OF PAYMENT (\$) 746.00

## Complete if Known:

Application No. Not Yet Assigned  
 Filing Date Herewith  
 First Named Inventor Jack Hwang  
 Group Art Unit Not Yet Assigned  
 Examiner Name Not Yet Assigned  
 Attorney Docket No. 42390P10625

**METHOD OF PAYMENT** (check one)

1.  The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit Account Number 02-2666  
 Deposit Account Name \_\_\_\_\_

Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

Applicant claims small entity status. See 37 CFR 1.27

2.  Payment Enclosed:  Check  
   \_\_\_\_\_  
   Credit Card  
   \_\_\_\_\_  
   Money Order  
   \_\_\_\_\_  
   Other

**FEE CALCULATION****1. BASIC FILING FEE**

Large Entity	Small Entity				
Fee	Fee	Fee	Fee		
Code	(\$)	Code	(\$)		
101	710	201	355	Fee Description	
106	320	206	160	Utility application filing fee	<u>710.00</u>
107	490	207	245	Design application filing fee	_____
108	710	208	355	Plant filing fee	_____
114	150	214	75	Reissue filing fee	_____
				Provisional application filing fee	_____

SUBTOTAL (1) \$ 710.00**2. EXTRA CLAIM FEES**

Total Claims	Independent Claims	Multiple Dependent	Extra Claims	Fee from below	Fee Paid
<u>22</u>	<u>3</u>		<u>- 20** = 2</u>	<u>X 18.00</u>	<u>= 36.00</u>
			<u>- 3** = 0</u>	<u>X 0</u>	<u>= 0</u>

\*\*Or number previously paid, if greater; For Reissues, see below.

**Large Entity Small Entity**

Large Entity	Small Entity				
Fee	Fee	Fee	Fee		
Code	(\$)	Code	(\$)		
103	18	203	9	Fee Description	
102	80	202	40	Claims in excess of 20	
104	270	204	135	Independent claims in excess of 3	
109	80	209	40	Multiple dependent claim, if not paid	
110	18	210	9	**Reissue independent claims over original patent	
				**Reissue claims in excess of 20 and over original patent	

SUBTOTAL (2) \$ 36.00

**FEE CALCULATION (continued)**

**3. ADDITIONAL FEES**

Large Entity Fee Code	Fee (\$)	Small Entity Fee Code	Fee (\$)	Fee Description	Fee Paid
105	130	205	65	Surcharge - late filing fee or oath	
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	390	216	195	Extension for reply within second month	
117	890	217	445	Extension for reply within third month	
118	1,390	218	695	Extension for reply within fourth month	
128	1,890	228	945	Extension for reply within fifth month	
119	310	219	155	Notice of Appeal	
120	310	220	155	Filing a brief in support of an appeal	
121	270	221	135	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive – unavoidable	
141	1,240	241	620	Petition to revive - unintentional	
142	1,240	242	620	Utility issue fee (or reissue)	
143	440	243	220	Design issue fee	
144	600	244	300	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	710	246	355	For filing a submission after final rejection (see 37 CFR 1.129(a))	
149	710	249	355	For each additional invention to be examined (see 37 CFR 1.129(b))	
179	710	279	355	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	
195	300	195	300	Publication fee for early, voluntary, or normal publication	
196	300	196	300	Publication fee for republication	
194	130	194	130	Request for voluntary publication or republication	
098	130	098	130	Processing fee under 37 CFR 1.17(i)	
091	1,240	091	1,240	Acceptance of unintentionally delayed claim for priority	

Other fee (specify) \_\_\_\_\_

Other fee (specify) \_\_\_\_\_

**SUBTOTAL (3) \$** \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBMITTED BY:**

Typed or Printed Name: Stephen M. De Klerk

Signature: Stephen M. De Klerk Date: 6/23/07

Reg. Number: 46,503 Telephone Number: 408-720-8300

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.